



USTRANSCOM
Integrated Product
Team IPT
Briefing
9 Feb 1999

Col Ray Hebert



New Environment Electronic Commerce

- 10 Million Purchases via Internet in 97
- 17 Million estimated in 98
- Dell Computer sells \$6 million a day on the
Net
- Priceline is issuing 1000 Tickets a Day
over
Net
- eBay has over 900,000 Products



Purpose

- **Background**
- **Component Commands**
- **Systems - EDI/GTN**
- **Challenges - Strategy**
- **Future Outlook - Implications**



Office of Under Secretary of Defense Acquisition and Technology

- **USTRANSCOM is hereby Designated to lead the EDI Program for Defense Transportation**
- **This Assignment is Consistent with DOD Directive 5158.4, “USTRANSCOM Charter” and Recognizes EDI’s Importance to In-transit Visibility Efforts, Fielding Transportation Migration Systems, and Improving Business Practices**



What Does it Mean for Transportation?

- **Route Electronic Transactions between Industry Trading Partners, Government Contracting, Accounting, and Disbursing Systems.**
- **Translate Data into Standard Format in order to communicate with Different Systems.**
- **Information Bank for Analysis of Government Procurement Activity. Data can be used to Reconcile Contracts, Invoices, and Disbursements.**
- **Archive Transaction History, Improve Audit Trails**



Big Change & Challenge

- **451 DoD and 146 Federal Sites (L**
- **Plus Commercial Vendors**
- **17 Federal and 11 DoD Gateways**
- **36 VANS (Value Added Networks)**
- **Varying Degrees of Sophistication
Capability across the Spectrum**



GTN ORD

- ORD (Jan 98)

- **Refines requirements set forth in previous versions**
 - **Further defines customization, interactive and electronic commerce**
 - **Further defines ITV and C2 requirements**
- **Solidifies GTN as the C2 tool for the Joint Mobility Control Group**
 - **One stop shop for transportation requirements**
 - **Receipt of movement requests**
- **Introduces GTN as the DTS Business Operations System**



USTRANSCOM EDI Baseline

- * **Organization for logistics EDI migration - USTRANSCOM**
 - **Interface between Global Transportation Network and commercial carriers (using TCNs-Transportation Control Numbers)**
- * **Command logistics system modernization strategy & plans**
 - **Major System - Global Transportation Network**
 - **Modernization - Lessen gap in DOD cargo in-transit visibility**
 - **Timeline - First feed in May 98 - continued implementation in FY99**
 - **Source of modernization - DOD developed software**
- * **Ongoing and/or planned ASC ANSI X112 logistics standards**
 - **Standards - Currently using 214 IC and 315 IC**
 - **Brief description of process being improved - ITV of cargo moved commercially**
 - **Current status - 25 Carriers providing data to GTN**
 - **Benefits - 60-80% Visibility of DOD Cargo**
- * **Command issues/concerns**



USTRANSCOM Logistics

EDI Baseline

- * **Organization for logistics EDI migration - USTRANSCOM**
 - **Prototype - GTN, DLA (JECPO)**
 - **Direct Vendor Delivery (DVD) company, transportation company, and bank**
- * **Command logistics system modernization strategy & plans**
 - **Major System - Global Transportation Network**
 - **Reduces gap in DOD in-transit visibility - DVD**
- continued growth expected**
 - **Timeline - Prototype began in 1Q/FY99; anticipated conclusion 3Q/FY99**
 - **Source of modernization - DOD developed software/Contractor**
- * **Ongoing and/or planned ASC ANSI X112 logistics standards**
 - **Standards - Developed new draft DOD 858 - Air Freight Bill of Lading**
 - **Brief description of process being improved - ITV of cargo moved commercially using DVD process**
 - **Current status - Prototype Effort**
 - **Benefits - Visibility of DOD cargo transported using**



Air Mobility Command

EDI Baseline

*** Organization for logistics EDI migration**

- HQ AMC/SCT, Architectures and Integration Division, will incorporate logistics EDI implementation plan into AMC Enterprise Architecture Plan

- AMC PMs for Defense Transportation Systems (DTS) migration systems

will implement downward directed EDI initiatives and incorporate

enterprise architecture EDI targets of opportunities

*** Component logistics system modernization strategy & plans**

- AMC participates in the Defense Transportation EDI Working Group to

define EDI transaction sets and standardize data in EDI transactions

- Currently, no AMC-managed DTS migration systems use EDI

*** Ongoing and/or planned ASC ANSI X.12 logistics initiatives**

- Global Air Transportation Execution Systems (GATES), and its

predecessor Consolidated Aerial Port System II



Air Mobility Command Logistics EDI Baseline (Cont'd)

*** Ongoing and/or planned ASC ANSI X.12 logistics initiatives (Cont'd)**

- GATES addressed improving Commercial Movement Interface (CMI), a CAPS II interface, with commercial carriers (e.g., Federal Express)

-- Increased cost to commercial carriers and government to convert

-- Increased risk to GATES Build II implementation schedule

- Target of opportunity may exist in MRM 15 and billing process

*** Component issues/concerns**

- Migration systems already resource constrained by expanding

architecture compliance (e.g., DII COE, JTA)

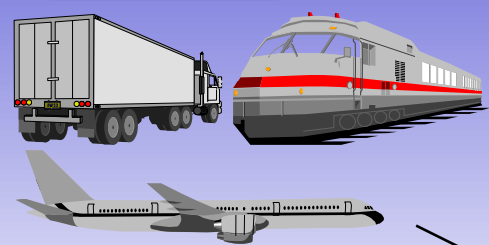
- EDI implementation policy should enforce major tenet of electronic commerce--process improvements prior to incorporation of data transfer technologies

-- Targets of opportunity not blanket policy (cost/benefit)

- Technologically AMC is moving toward the shared data



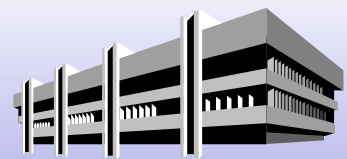
MTMC ELECTRONIC DATA INTERCHANGE (EDI)



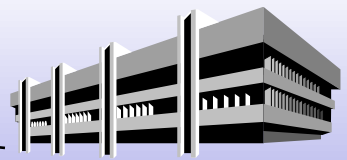
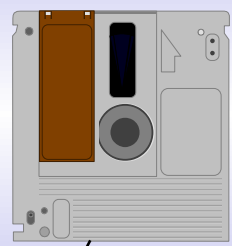
CARRIERS



MTMC



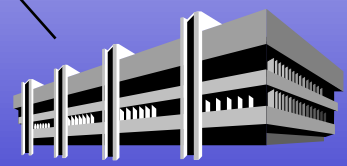
SHIPPERS



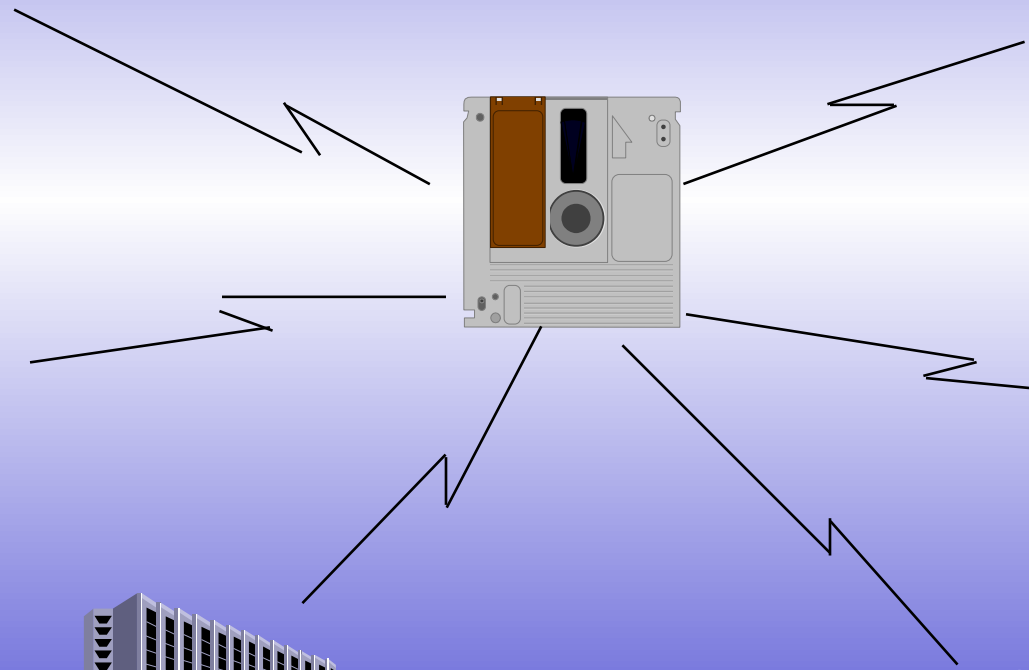
DFAS



GSA



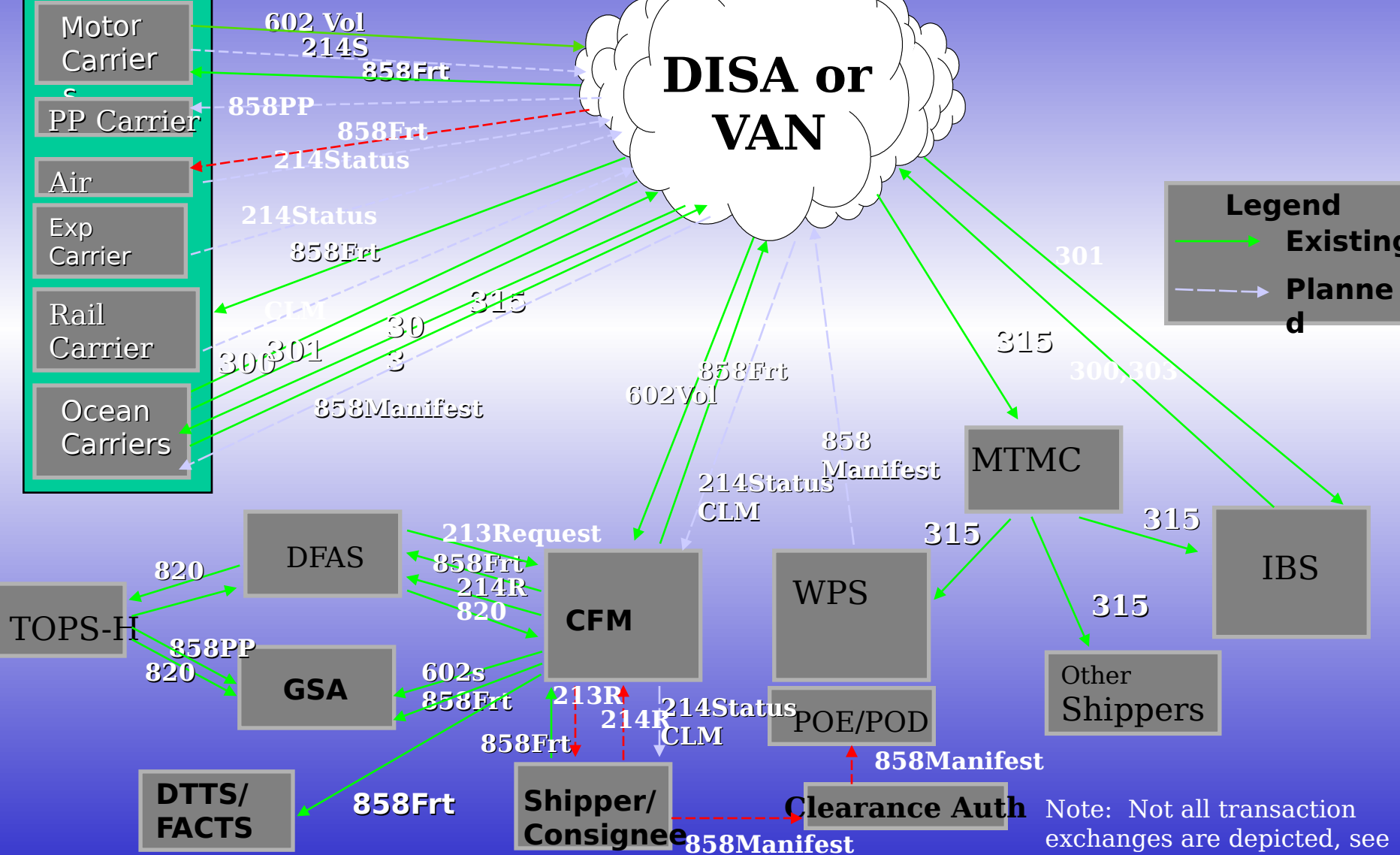
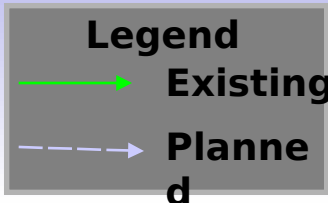
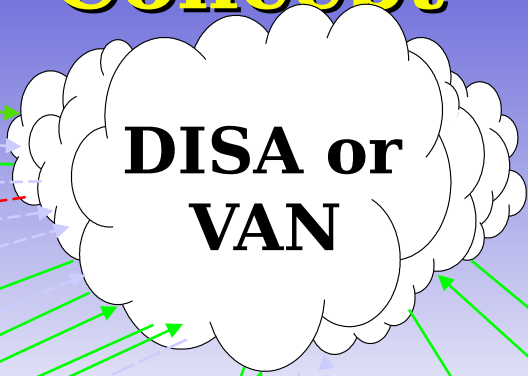
RECEIVERS



Current MTMC EDI Operating Concept

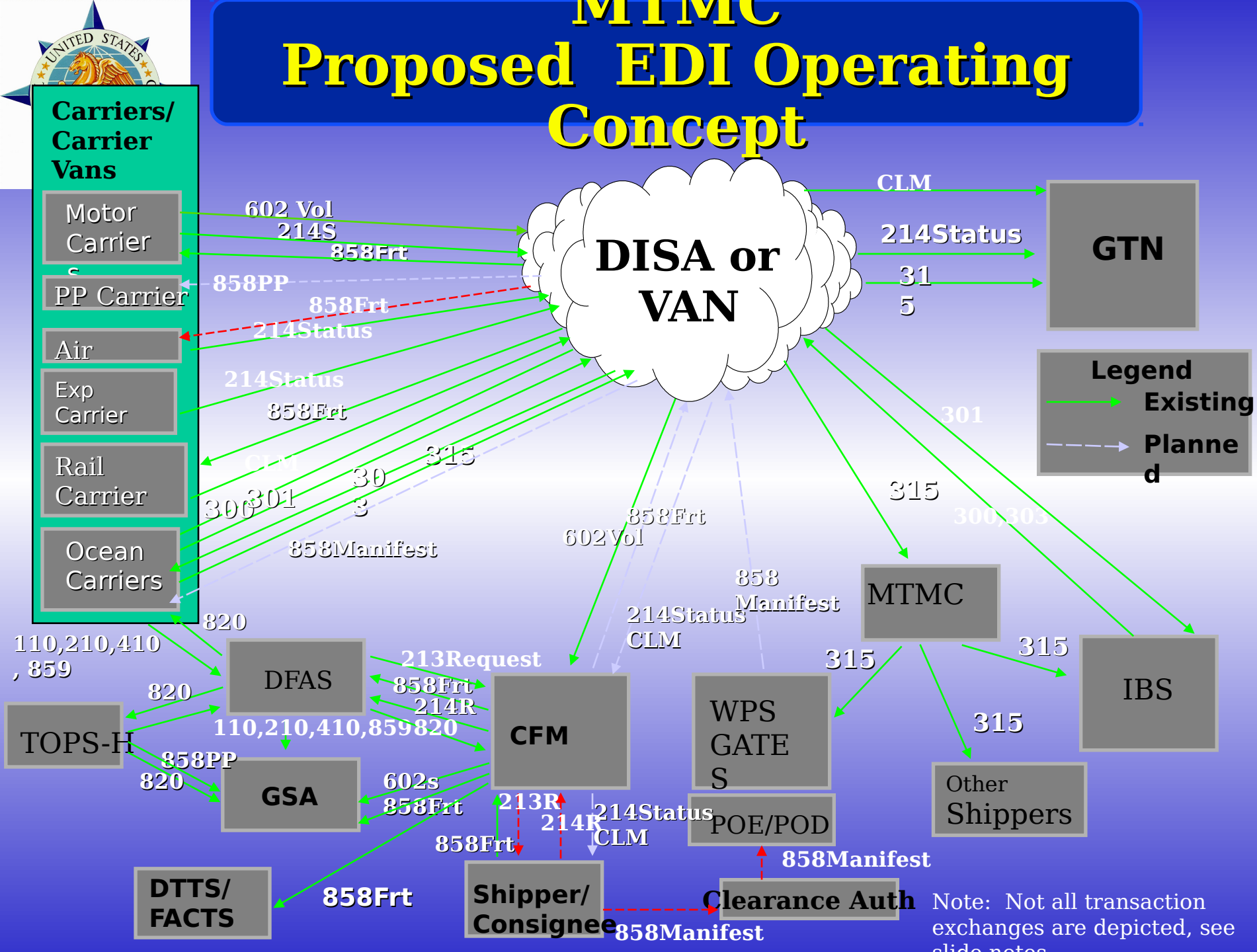


- Carriers/
Carrier
Vans**
- Motor Carrier
 - PP Carrier
 - Air
 - Exp Carrier
 - Rail Carrier
 - Ocean Carriers



Note: Not all transaction exchanges are depicted, see slide notes

MMMC Proposed EDI Operating Concept



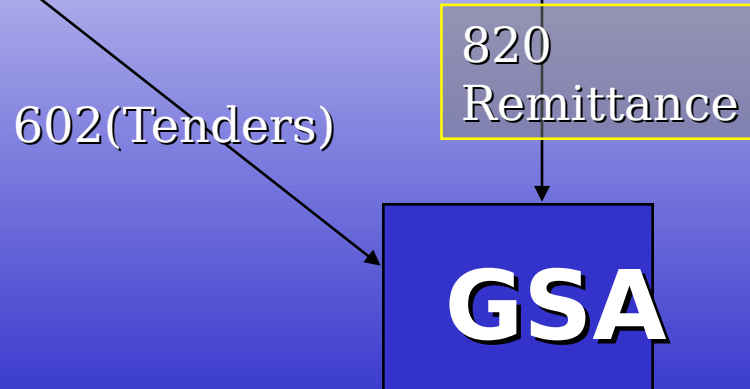
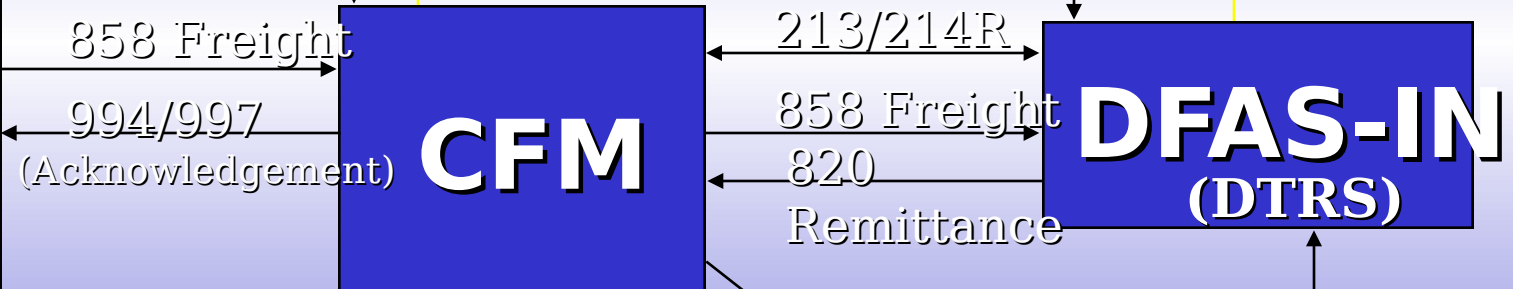
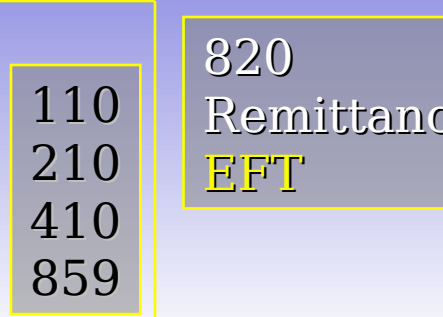
Note: Not all transaction exchanges are depicted, see slide notes.



MTMC ELECTRONIC DATA INTERCHANGE (EDI) FREIGHT

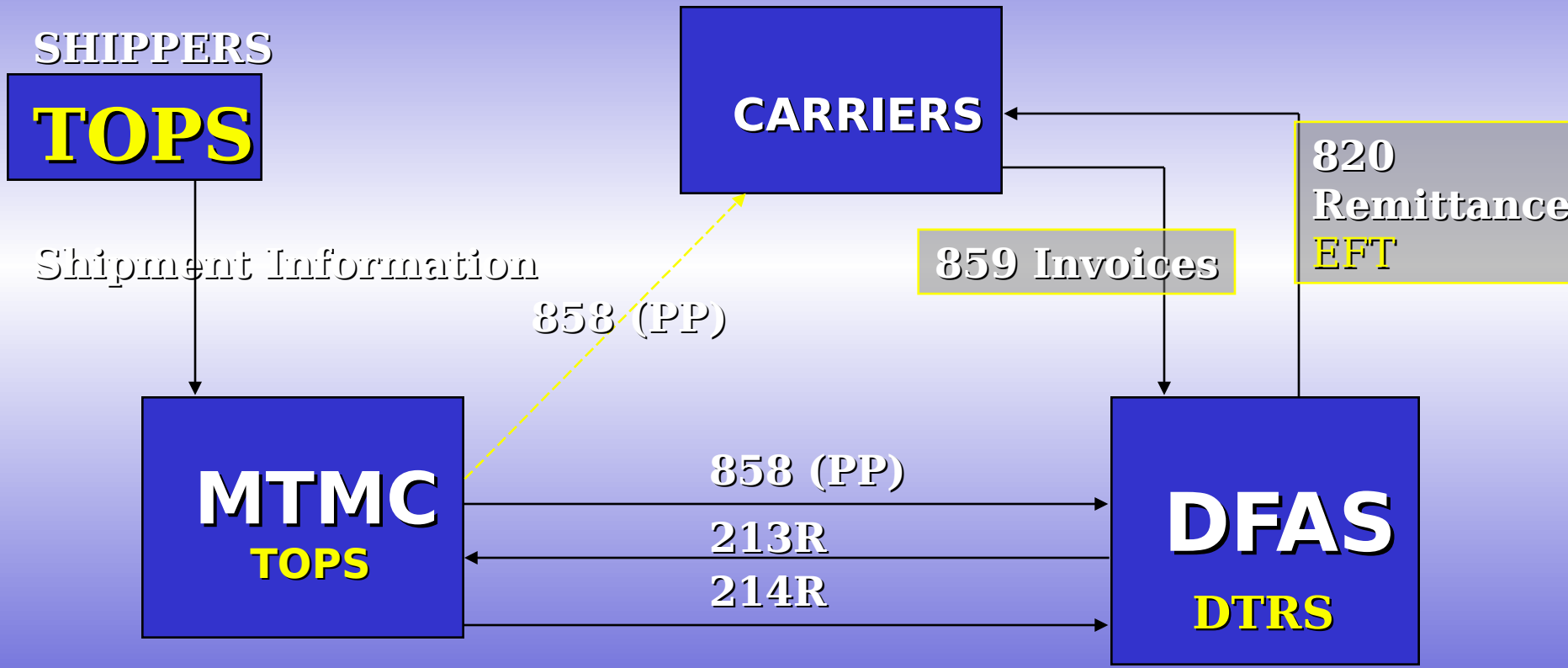
SHIPPER SYSTEMS

- CFM-FM
- CMOS
- SDS
- DSS
- TRAMS
- DWASP
- NAOMIS
- CAPS II
- IBS
- WPS
- GTN
- DTTS
- TC AIMS II



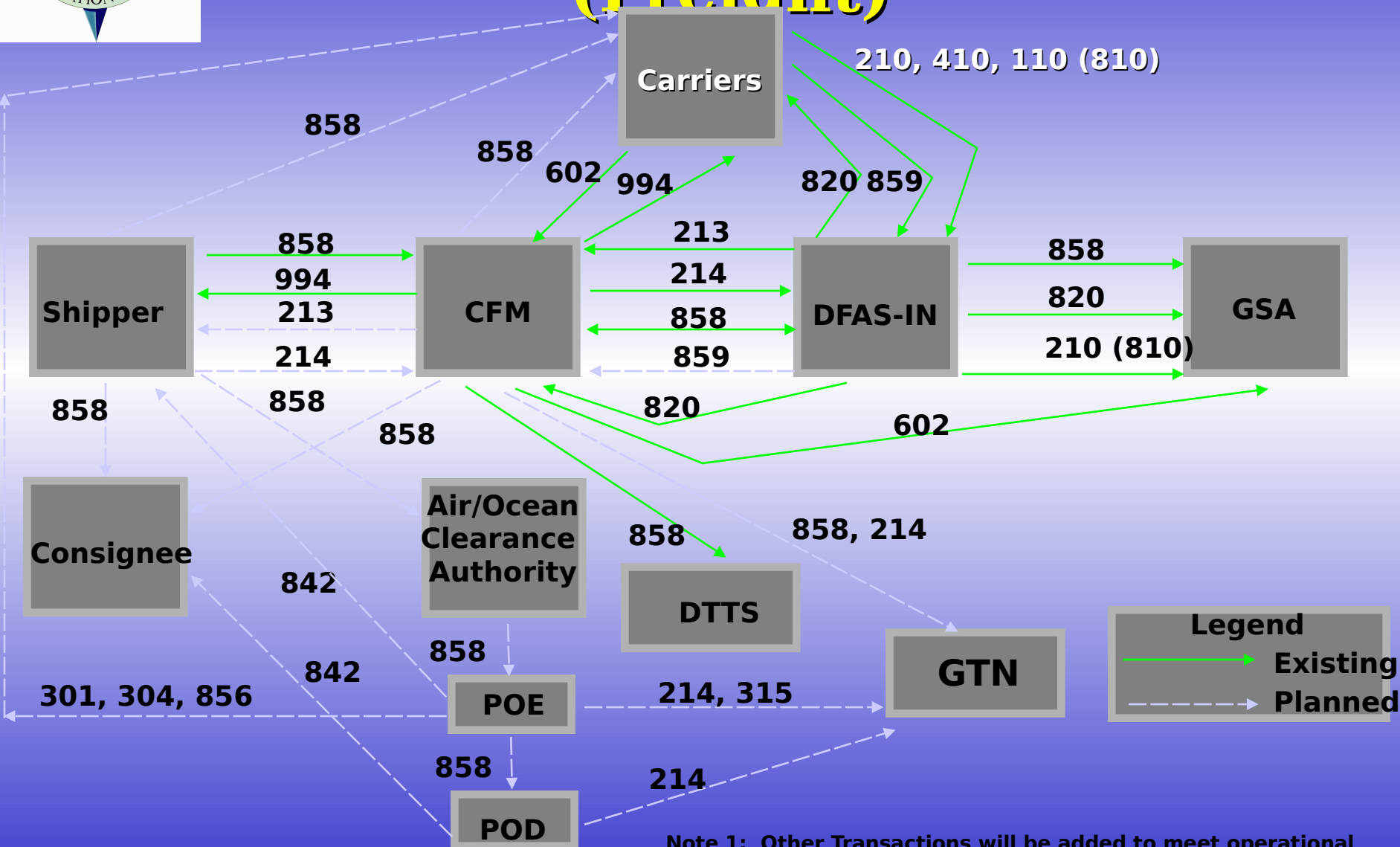


MTMC ELECTRONIC DATA INTERCHANGE (EDI) PERSONAL PROPERTY





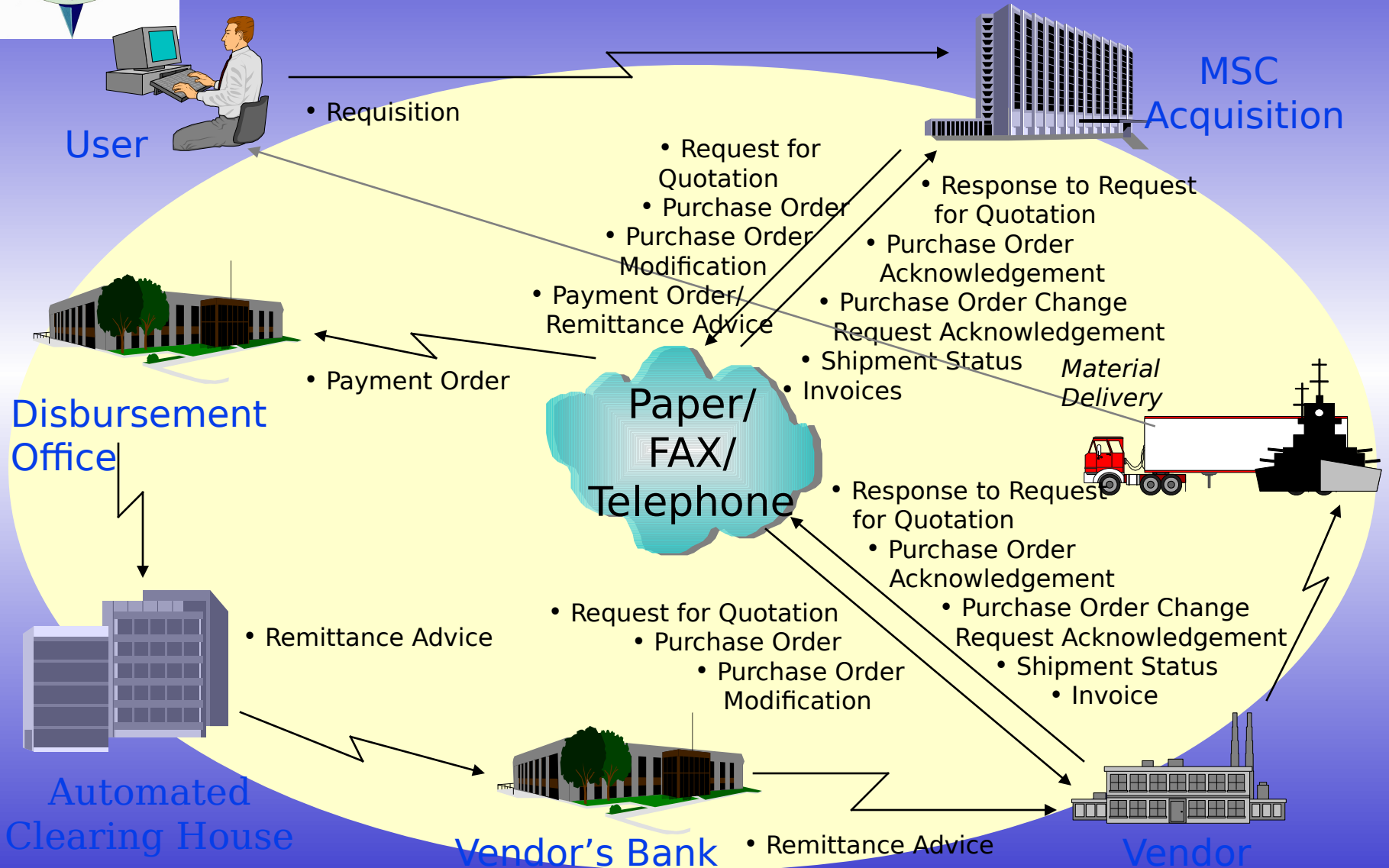
MTMC EDI Operating Concept (Freight)



Note 1: Other Transactions will be added to meet operational requirements
 Note 2: All transmissions invoke a 997, Functional

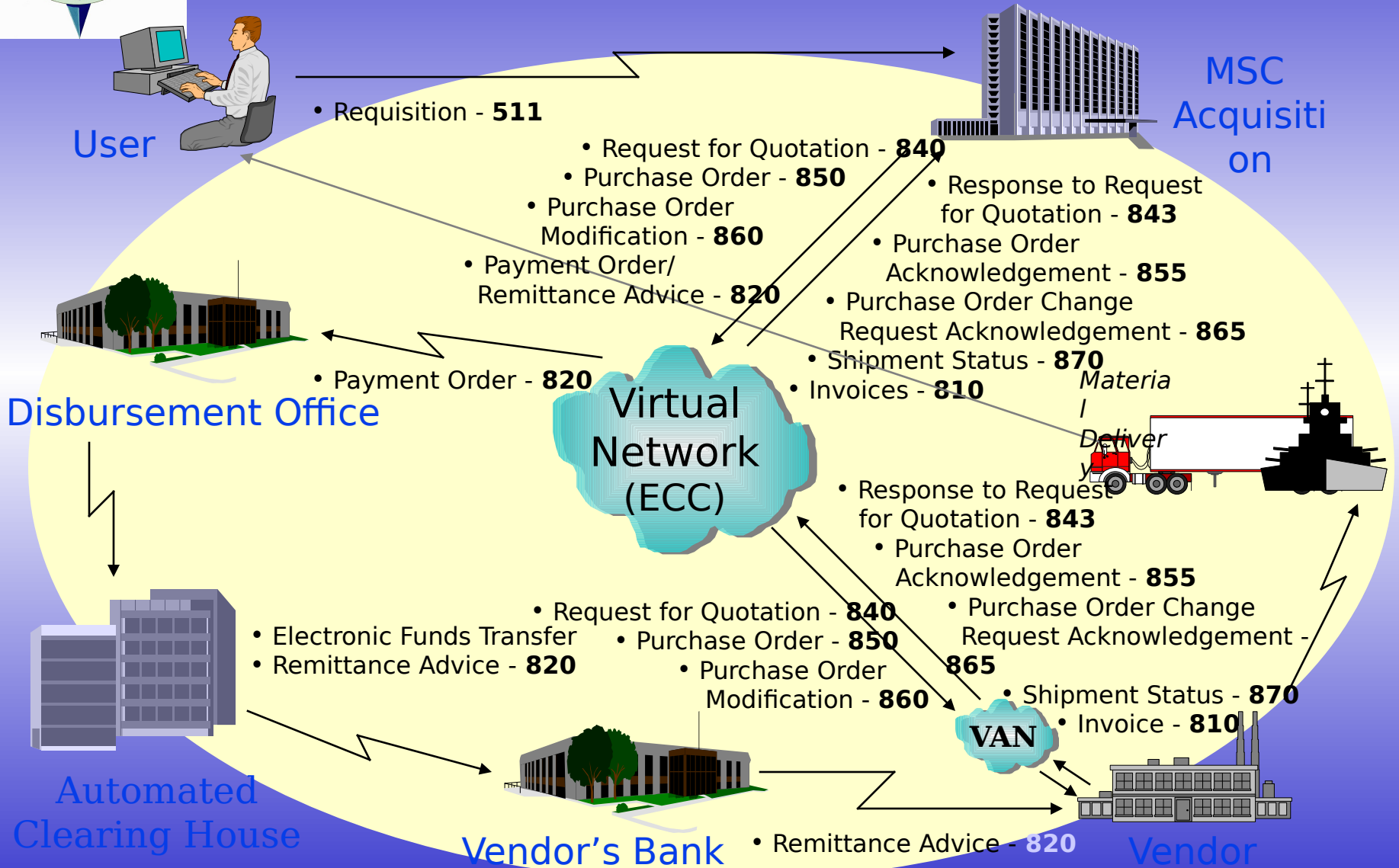


MSC Process (Current)



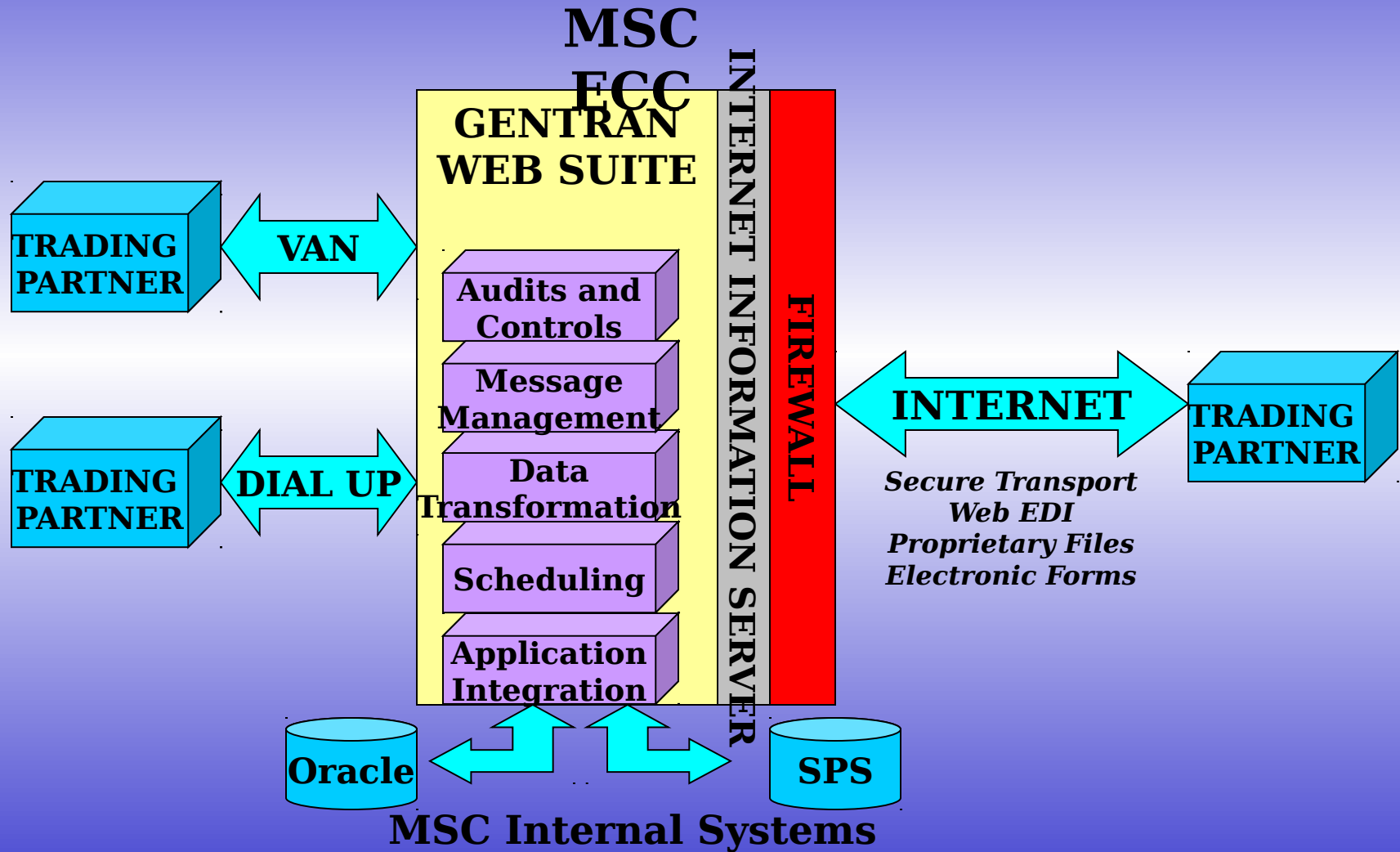


MSC Process (EC/EDI)



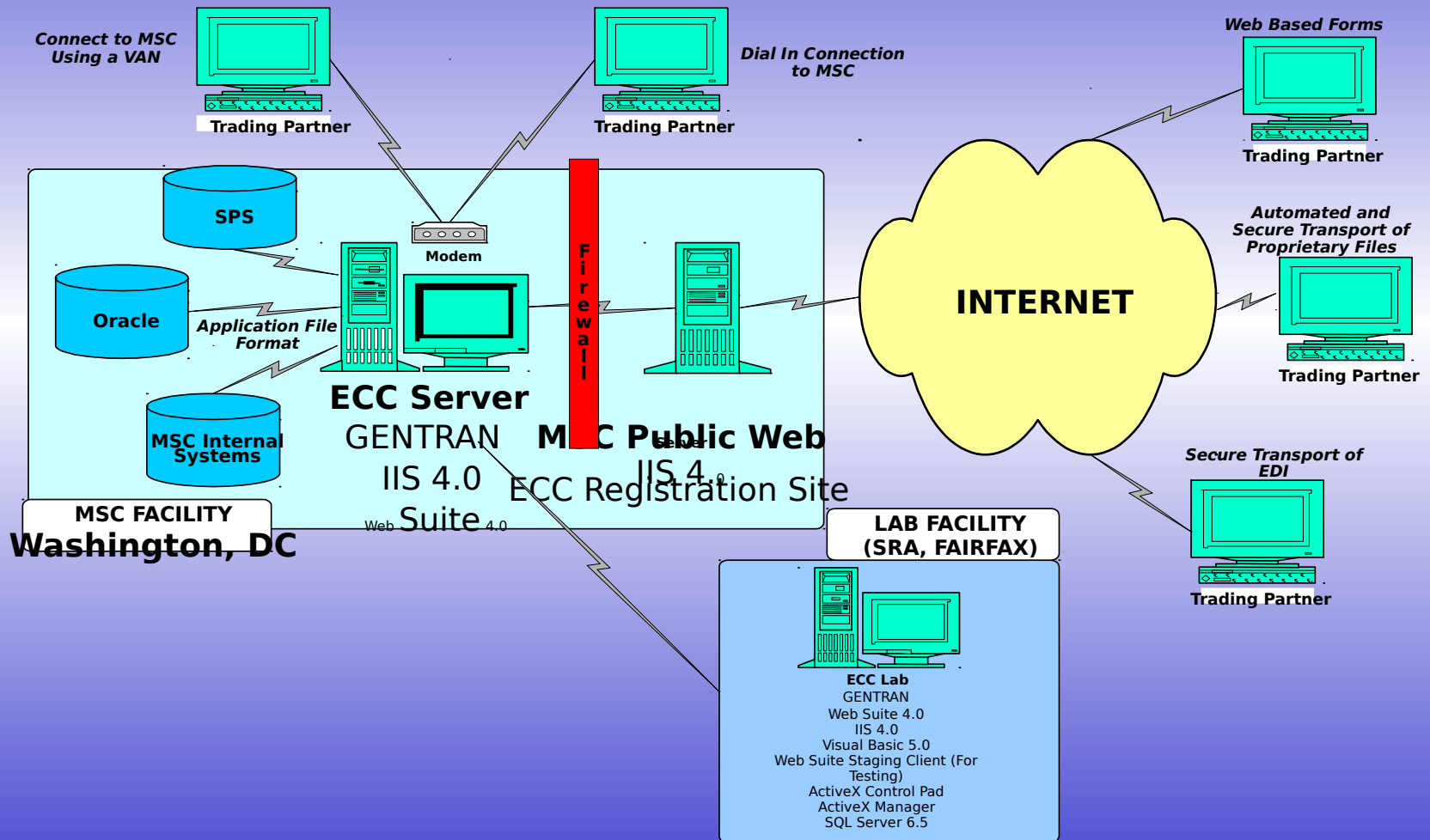


Overview





Architecture



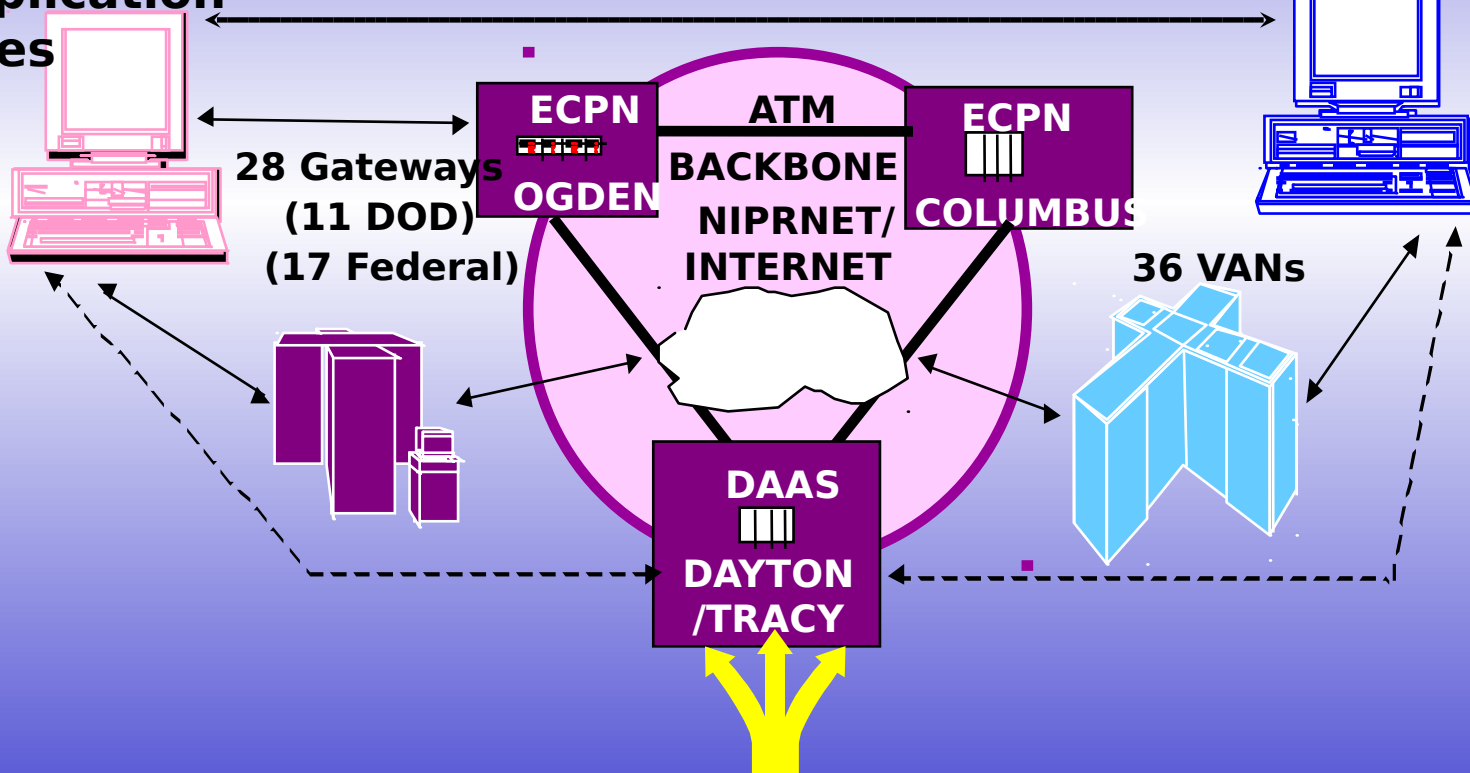


Partnership Architecture

DLA / DISA / USTC = JECPO

451 DOD and
146
Application
Sites

In Transit Visibili

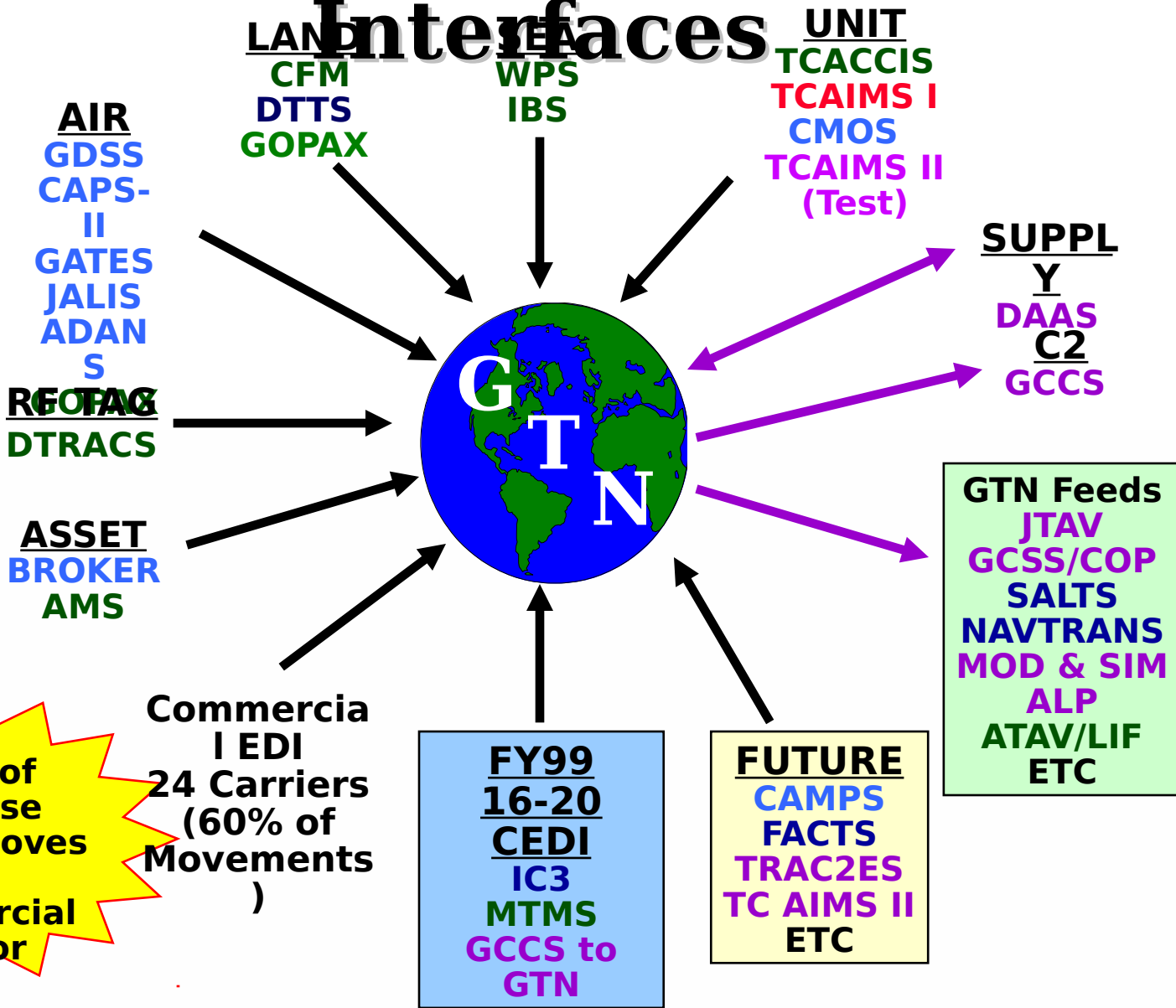


Commercial Vendors



EDI / GTN Data

Interfaces



80 % of Defense Cargo moves in Commercial Sector



EDI / GTN



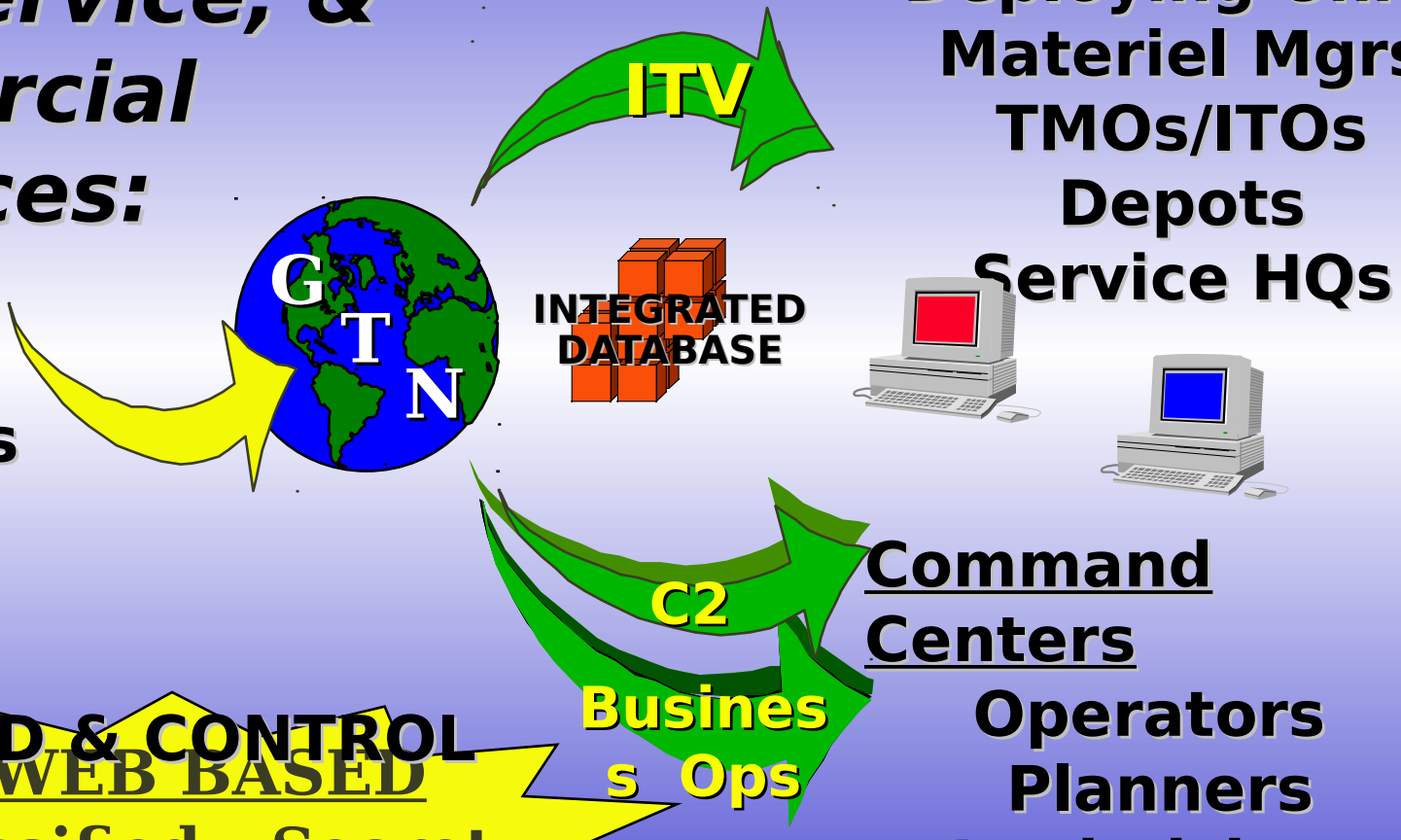
DoD, Service, & Commercial Interfaces:

- AIR Ops
- LAND Ops
- SEA Ops
- UNIT
- SUPPLY
- COMMAND & CONTROL

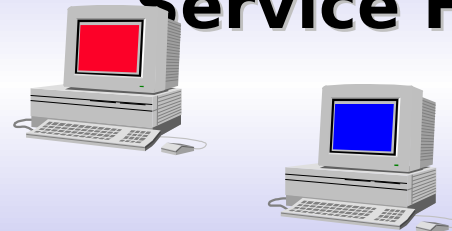
WEB BASED

Classified - Secret

Unclassified - Sensitive/Protected



DTS Customers
 Deploying Units
 Materiel Mgrs
 TMOs/ITOs
 Depots
 Service HQs



Command Centers

Operators
 Planners
 Logisticians



Commercial Partners (Today)

AIR

Burlington Air Express (BAX)
Emery Worldwide
Fed Ex

RAIL

CSX

SEA

SeaLand
Lykes Lines Limited
American President Lines

MOTOR

Baggett Transportation Co
Overnight Transportation Co
Old Dominion Freight
Landstar Ranger, Inc
Yellow Freight System
Con-Way Western
C.I. Whitten
J.B. Hunt
Diablo Transportation, Inc
Tri-State Motor Co
Trism Specialized, Inc
ABF Freight Systems
Roadway Express
Nations Way Transport
Preston Trucking Co
Mercer Transportation Co.
Green Valley Transportation
Co.



Commercial Partners (Future)

SEA

Merlin Shipholding
Central Gulf Lines
Double Eagle Marine
Matson Navigation
Van Ommeren Shipping
Columbus
Ambassador Services
Alaska Cargo Transport
Eimskipafelag Islands
Fesco Intermodal
Ambassador Services
Trailer Bridge

RAIL

Burlington Northern Santa Fe
Canadian Pacific
Union Pacific

AIR

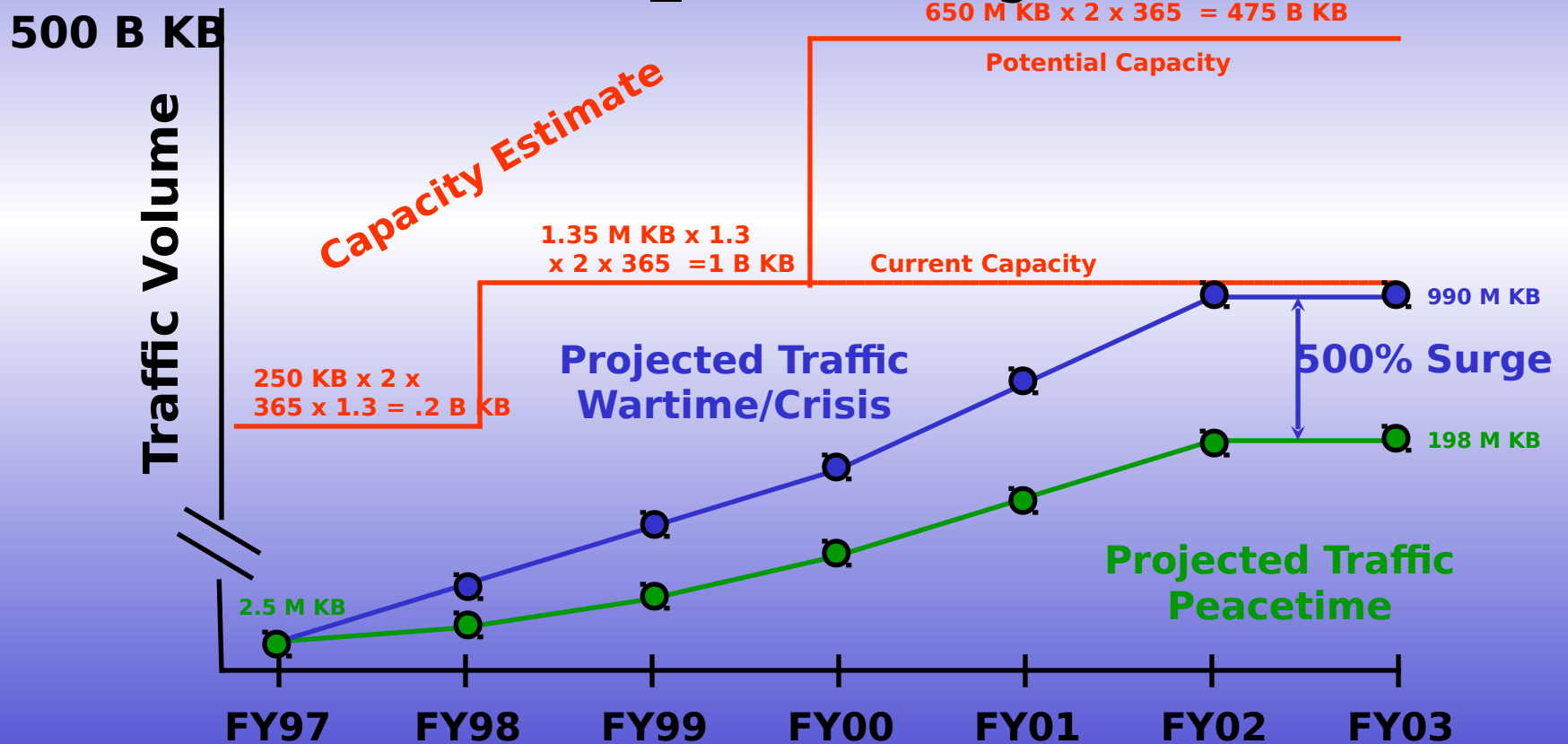
Surf Air

MOTOR

R & R Trucking
American Road Lines
Cardinal Transport
Express Lines
A-P-A Transport
Central Freight Lines
Dallas & Mavis Specialized
Red Star Express
Crossroads Carriers
PFT Roberson
Colonial Freight System



DLA / DISA / JECPO Volume Estimates / Capability





Defense Reform Initiative (DRID) 48 Standards

- Adoption of Commercial EDI Standards for Logistics Business Transactions**
- Migrate the Departments Logistics Transaction Formats with ANSI ASC X12 EDI Standards to Commercial EDI Standards identified in Federal Information Processing Standard (FIPS) 160-1**
- Appropriate**



Partnership DLA

/DISA/USTRANSCOM

- **EDI Committee meets
Quarterly**

- **DLA/USTRANSCOM working
DATA**

Metrics and Communication

- **Commercial Partners Joining
the Global**

Transportation Network (GTN)

- **IECPO IPT Initiatives**



Progress

- **DISA/DLA/USTC are Committed to Migrate the Electronic Commerce Infrastructure to Maintain Technical Currency**
 - **Simplify VAN Connection Process**
- **Respond to Current Requirements in Translation Services**
- **Metrics Reporting**
- **Security Needs**



Future

- **Complete Reengineering of Transportation Documentation, Billing, Collection, and Payment Processes**
- **Intentions/Implications:**
 - = **Accuracy and Reliable Data**
 - = **Quicker Reconciliation and Faster P**